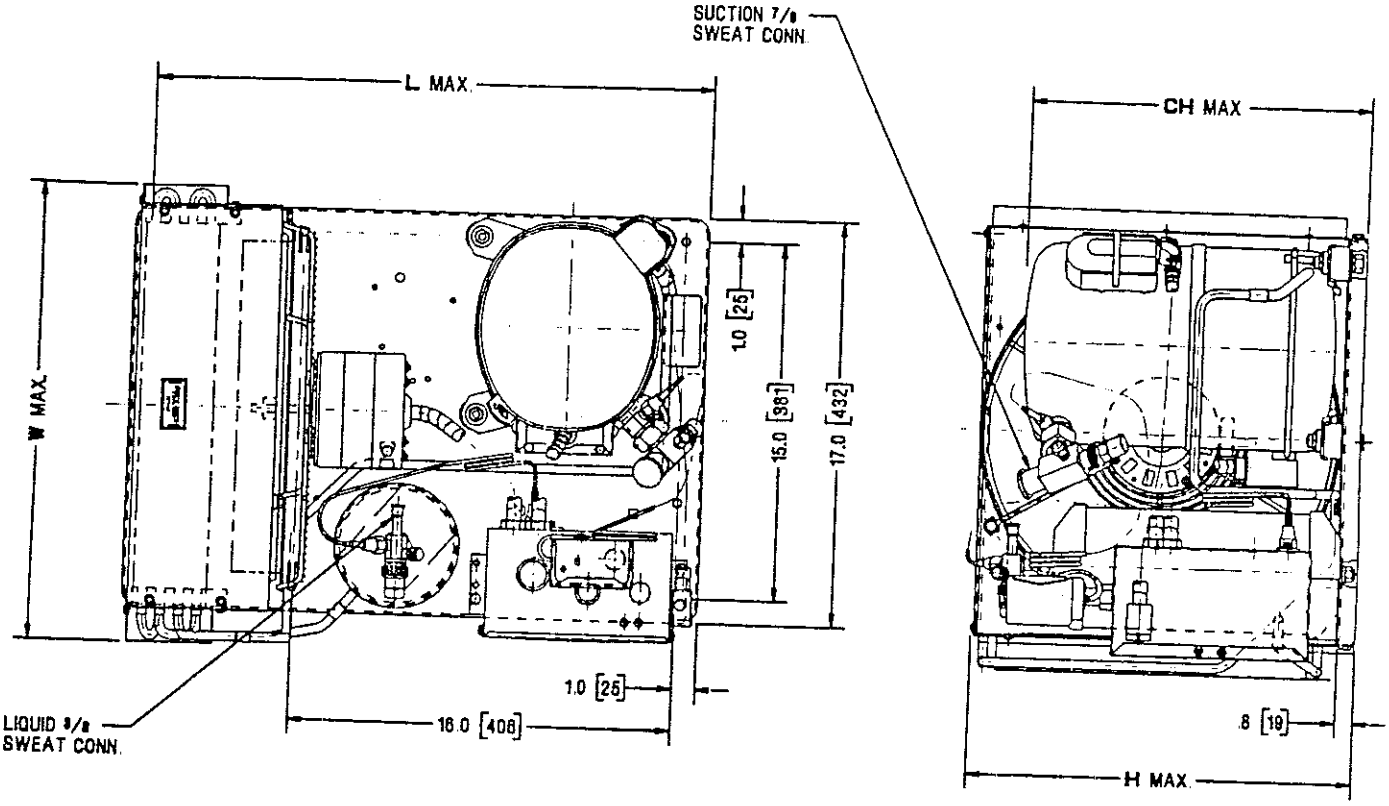
TECUMSEH HERMETIC
CONDENSING UNITS

Date: April 1, 1998

R22 1 1/2 HP AIR COOLED AWG4520EXTXC



NOTE!
DIMENSIONING = INCHES [MILLIMETERS]

Model	Dimensions				*Line Connections		Pumpdown 90°F 90% full	AIR (cfm)	Oil Charge (oz.)	Gross Wt. (lbs.)
	L	W	H	CH	Suction	Liquid				
AWG4520EXTXC	24.0	19.4	16.2	15.6	7/8 S	3/8 S	8.4#	772	38	154

*F=Flare, S=Solder, RF or RS = Rotolock with Flare or Solder Connections
Factory Charge: 20 psig nitrogen - MUST BE EVACUATED

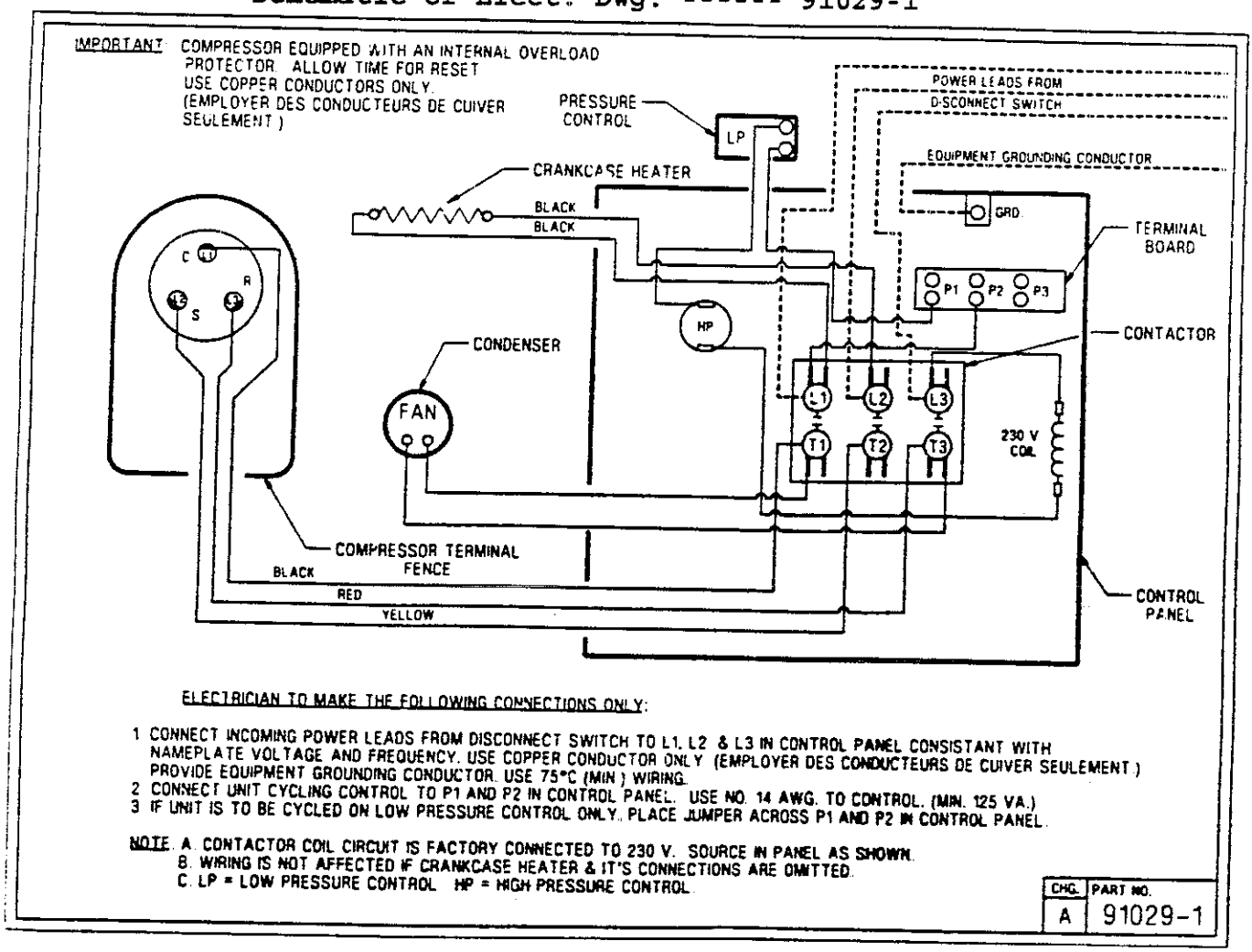
60 Hertz Performance

Approved Evap. Range		Ambient											
		80°F			90°F			100°F			110°F		
F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
+20	43.0	13006	1674	213	11771	1712	240	10510	1749	268	9307	1771	300
25	48.7	14518	1776	222	13171	1821	249	11830	1862	279	10517	1891	311
30	54.8	16069	1881	233	14607	1935	260	13184	1981	290	11761	2019	323
35	61.4	17662	1990	244	16079	2053	272	14573	2107	303	13040	2154	336
40	68.5	19295	2102	256	17587	2177	285	15997	2239	316	14353	2296	350
45	76.0	20969	2217	269	19131	2307	299	17456	2378	330	15701	2446	365
50	84.0	22684	2335	283	20711	2441	314	18950	2522	345	17084	2603	380
55	92.6	24439	2457	298	22326	2580	330	20479	2673	361	18501	2768	396

Based on 65°F Return Gas, 5°F Subcooling

Date: 4-1-98

SPECIFICATIONS	AWG4520EXTXC
Nominal Voltage	230/200-60-3
Unit B/M	2B3216-9
Voltage Range	253 to 197
Min. Circuit Ampacity	9.1
Max. Fuse Size (Amps)	15
Compressor Model	AWG5520EXT
Bill of Material	AW703RT-121
RLA/LRA	6.1/51.0
Fan RLA	1.40
ESP Overload	Internal
Fan Motor	TFM502
Pressure Switch	84082-2 - High, 84026-5 - Low
Contactor	91014 (30 AMP 230V)
Cont. Panel Assy.	AC1396-5
Crankcase Heater	91022-1
Fan Blade	51556
Condenser Shroud	70727-1
Condenser	K42-16
Fan Guard	70831
Receiver Tank	51081-1
Rec. Tank RL Valve	31581 (3/8"S)
Suction Rotolock	31529-1 (7/8"S)
Unit Drawing	SU1918-3
Schematic or Elect. Dwg.	91029-1


IMPORTANT: COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET
USE COPPER CONDUCTORS ONLY.
(EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT)
PRESSURE CONTROL
LP
POWER LEADS FROM DISCONNECT SWITCH
EQUIPMENT GROUNDING CONDUCTOR
CRANKCASE HEATER
BLACK
BLACK
GRD.
TERMINAL BOARD
C
R
S
P1
P2
P3
HP
CONTACTOR
CONDENSER
FAN
L1
L2
L3
T1
T2
T3
230 V COIL
COMPRESSOR TERMINAL FENCE
BLACK
RED
YELLOW
CONTROL PANEL
ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:
1 CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1, L2 & L3 IN CONTROL PANEL CONSISTANT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTOR ONLY (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
2 CONNECT UNIT CYCLING CONTROL TO P1 AND P2 IN CONTROL PANEL. USE NO. 14 AWG. TO CONTROL. (MIN. 125 VA.)
3 IF UNIT IS TO BE CYCLED ON LOW PRESSURE CONTROL ONLY, PLACE JUMPER ACROSS P1 AND P2 IN CONTROL PANEL.
NOTE: A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 V. SOURCE IN PANEL AS SHOWN.
B. WIRING IS NOT AFFECTED IF CRANKCASE HEATER & IT'S CONNECTIONS ARE OMITTED.
C. LP = LOW PRESSURE CONTROL HP = HIGH PRESSURE CONTROL.
CHG. A
PART NO. 91029-1

U.L. Listed ---------- File #SA2372 ---------- Card Guide #SGYU
CSA Certified ---------- Canadian File #12964C ---------- USA File #8873C